

Title (en)

Method and apparatus for recovery of energy from exhaust steam

Title (de)

Verfahren und Anlage zur Energierückgewinnung aus Abdampf

Title (fr)

Procédé et dispositif de récupération d'énergie de vapeur d'échappement

Publication

EP 1030105 A2 20000823 (DE)

Application

EP 00102942 A 20000214

Priority

AT 21199 A 19990215

Abstract (en)

To recover energy from exhaust steam from a thermomechanical or chemo-thermomechanical wood processing plant, it is initially used to evaporate the waste water, to give pure steam such as for a papermaking machine. The water evaporation is effected over several stages. The exhaust steam is used at a pressure of 0-6 bar overpressure and preferably 4-6 bar overpressure. The distillate from the waste water evaporation is used with the fresh water supply in the wood or paper/cardboard manufacturing process. The condensation from the exhaust steam is used for heating the waste water, moved against the waste water flow direction. An Independent claim is included for an assembly to recover energy from the exhaust steam, where the waste water is evaporated (2).

Abstract (de)

Die Erfindung betrifft ein Verfahren zur Energierückgewinnung aus Abdampf einer thermomechanischen oder chemo- thermomechanischen Holzstoffanlage. Sie ist vornehmlich dadurch gekennzeichnet, daß der Abdampf erst zur Eindampfung von Abwasser und anschließend zur Erzeugung von Reindampf beispielsweise für eine Papiermaschine herangezogen wird. Weiters betrifft die Erfindung eine Anlage zur Durchführung des Verfahrens. <IMAGE>

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